REMARKS

Claims 1 to 17 are currently pending in the present application. Claims 16 and 17 have been added. No new matter is added by the amendments.

The Office Action objects to the Abstract. Applicants have amended the abstract and attached a clean copy hereto. Applicants request withdrawal of this objection.

The Office Action suggests a preferred layout for the specification. Applicants acknowledge the preferred layout but respectfully decline to amend the specification as such.

Claims 4, 9, 14 and 15 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 4, 9, 14 and 15 have been amended. Applicants request withdrawal of this rejection.

Claims 1, 2, 4, 5 and 6 to 10 were rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,344,837 to Gelsey. Claims 1, 2, 4, 5 and 6 to 10 include the step of determining at each of the 3-D pixels a contribution of light from the 3-D pixel to generate at least in part a scene point of the plurality of 3-D scene points. Gelsey does not disclose or suggest this feature. Gelsey describes use of a centralized computer to determine the light modulation for each of its directionally modulated pixels 14. Gelsey discloses the following:

> Apparatus for controlling the IDD 12 is shown in FIG. 13. As previously mentioned, each DMP 14 is a tiny liquid crystal screen 18 which can be electronically controlled by a computer just as conventional liquid crystal screen is controlled. In the present system for a 3D image display, each of the DMPs 14 in the IDD 12 is simultaneously connected to the controlling computer 54. This computer 54 is programmed to execute either Algorithm 1 shown in FIG. 14, or Algorithm 2 shown in FIG. 15,

for driving IDD 12 to display a desired 3D image. (Gelsey col. 8,
lines 27-37).

The Gelsey device is schematically represented in FIG. 13 as follows:

```
                    +--------------+           +------------------+
              56 ~  | LIGHT SOURCE |-----------| OPTICAL FIBER    |~ 58
                    +--------------+           | NETWORK          |
                                               +------------------+
                                                        |               ,12
                                                        |      +----------------+
     60                                                 |      | IMAGE DISPLAY  |
      \                                                 +------| DEVICE         |
  +----------+            54                                   +----------------+
  |  MEMORY  |             \                                           |
  +----------+      +--------------+          +--------------+         |
       |            |              |----------|              |---------+
       +------------|   COMPUTER   |          | DMP DRIVER   |~ 64
       +------------|              |          |              |
  +----------+      +--------------+          +--------------+
  |  MEMORY  |
  +----------+
      /
     62
```
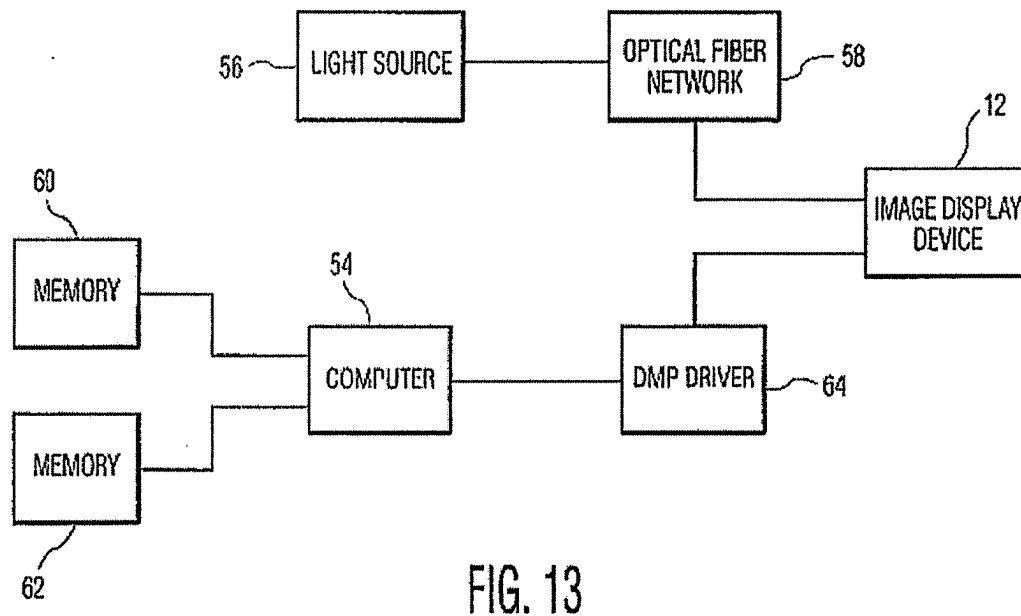
FIG. 13

As such, Gelsey does not disclose or suggest the step of claims 1, 2, 4, 5 and 6 to 10 of
determining at each of the 3-D pixels a contribution of light from the 3-D pixel to
generate at least in part a scene point of the plurality of 3-D scene points.

Claims 3 and 11 to 15 were rejected under 35 U.S.C. 103(a) as being unpatentable
over U.S. Patent 6,344,837 to Gelsey in view of U.S. Patent 6,154,855 to Norman. Claim
3 depends from claim 1 and includes the step of determining at each of the 3-D pixels a
contribution of light from the 3-D pixel to generate at least in part a scene point of the
plurality of 3-D scene points. Claims 11 to 15 include the feature of each of the 3-D
pixels comprise a control unit for calculating their own contribution to the visualisation
of a 3-D scene point representing the 3-D scene. As described, Gelsey discloses a
centralized computer for performing this claimed determination or calculation. Norman
is directed to a data processing system that utilizes redundancy using an array of cells.

Norman does not disclose or suggest the step of claim 3 of determining at each of the 3-D pixels a contribution of light from the 3-D pixel to generate at least in part a scene point of the plurality of 3-D scene points or the feature of claims 11 to 15 of each of the 3-D pixels comprise a control unit for calculating their own contribution to the visualisation of a 3-D scene point representing the 3-D scene.

Claims 16 and 17 depend from claims 1 and 11, respectively, and thus are also patentable over the cited art or combination of art.
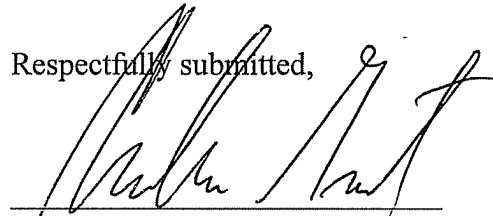
In view of the foregoing, Applicants respectfully submit that the specification, the drawings and all claims presented in this application are currently in condition for allowance. Accordingly, Applicants respectfully request favorable consideration and that this application be passed to allowance.

Should any changes to the claims and/or specification be deemed necessary to place the application in condition for allowance, the Examiner is respectfully requested to contact the undersigned to discuss the same.

Respectfully submitted,

Dated: _____1/10/08_____

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